

## FIGURE 1A

Sequence of cadherin 3 (GenBank accession number NP\_001784)

SEQ ID NO:1

MGLPRGPLASLLLLQVCWLQCAASEPCRAVFREA EVTLEAGGAEQEPGQALGK  
VFMGCPGQEPALFSTDND DFTVRNGETVQERRSLKERNPLKIFPSKRILRRHKRD  
WVVA PISVPENGKGPFQRLNQLKSNKDRDTKIFY SITGPGADSPPEGVFAVEKE  
TGWLLL NKPLDREEIAKYELFGH AVSENGASVEDPMNISII VTDQNDHKPKFTQD  
TFRGSVLEGVLP GTSVMQVTATDEDDAIYTYNGVVAYS IHSQEPKDPHDL MFTI  
HRSTGTISVISSGLDREKVPEYTLTIQATDMDGDGSTTTAVAVVEILDANDNAPM  
FDPQKYEAHVPENAVGHEVQRLTVTDLDAPNSPAWRATY LIMGGDDGDHFTITT  
HPESNQGILTTRKGLDFEAKNQHTLYVEVTNEAPFVLKLPTSTATIVVHVEDVNE  
APV FVPPSKVVEVQEGIPTGEPVCVYTAEDPDKENQKISYRILRDPAGWLAMDPD  
SGQVTAVGTL DREDEQFVRNNIYEVMLAMDNGSPPTTGTGTLLL TLIDVNDHG  
PVPEPRQITICNQSPVRHVLNITDKDLSPHTSPFQAQLTDDSDIYWTAEVNEEGDT  
VVL SLKKFLKQD TYDVHLSLSDHGNKEQLTVIRATVCDCHGHVETCPGPWKGG  
FILPVLGAVLALLFLLL VLLLLVRKKRKIKEPLLLPEDDTRDNV FYYGEEGGGEE  
DQDYDITQLHRGLEARPEVVL RNDVAPTIIPTPMYRPRPANPDEIGNFIENLKAA  
NTDPTAPPYDTLLVFDYEGSGSDAASLSSLTSSASDQDQDYDYLNEWGSRFKKL  
ADMYGGGEDD

## FIGURE 1B

Sequence of matrix metalloproteinase 14 (GenBank accession number NP\_004986)

SEQ ID NO:2

MSPAPRPPRCLLLPLLTLGTALASLGSAQSSSFSP EAWLQQYGYLPPGDLRTH TQ  
RSPQSLSAAIAAMQKFYGLQVTGKADADTMKAMRRPRCGVPDKFGAEIKANVR  
RKRYAIQGLKWQHNEITFCIQNYTPKVGEYATYEAIRKA FRVWESATPLRFREVP  
YAYIREGHEKQADIMIFFAEGFHGDSTPFDGEGGFLAHAYFPGPNIGGDTHFDSA  
EPWTVRNEDLNGNDIFLVA VHELGHALGLEHSSDPSAIMAPFYQWMDTENFVLP  
DDDRRGIQQLYGGESGFPTKMPPQPR TTSRPSVPDKPKNPTYGPNICDGNFDTVA  
MLRGEMFVFKERWFWVRNNQVMDGYPMPIGQFWRGLPASINTAYERKD GKF  
VFFKGDKHWVFDEASLEPGYPKHIKELGRGLPTDKIDAALFWMPNGKTYFFRGN  
KYYRFNEELRAVDSEYPKNIKVWEGIPESPRGSFMGSDEVFTYFYKGNKYWKFN  
NQKLKVEPGYPKSALRDWMGCPSGGRPDEGTEEETEVIIEVDEEGGGA VSAAA  
VVLPLVLLLLLVLA VGLAVFFFRRHGTPRRLLYCQRSLLDKV

# FIGURE 1C

(1)

Sequence of cadherin EGF LAG seven-pass G-type receptor 2 (GenBank accession number NP\_001399)

SEQ ID NO:3

MRSPATGVPLPTPPPLLLLLLLLLPPPLLGDQVGPCRSLGSRGRGSSGACAPMG  
WLCPSASNLWLYTSRCRDAGTELTGHLVPHHDGLRVWCPESEAHPLPAPEG  
CPWSCRLLGIGGHLSPQGKLTLP EEHPCLKAPRLRCQSCKLAQAPGLRAGERSPE  
ESLGRRKRNVNTAPQFQPPSYQATVPENQPAGTPVASLRAIDPDEGEAGRLEYT  
MDALFDSRSNQFFSLDPVTGAVTTAEELDRETKSTHVFRVTAQDHGMPRRSALA  
TLTILVTDNDHDPVFEQQEYKESLRENLEVGYEVLTVRATDGDAPPNANILYRL  
LEGSGGSPSEVFEIDPRSGVIRTRGPVDREEVESYQLTVEASDQGRDPGPRSTTAA  
VFLSVEDDNDNAPQFSEKRYVVQVREDVTPGAPVLRVTASDRDKGSNAV VHYSI  
MSGNARGQFYLDAQTGALDVVSPLDYETTKKEYTLRVRAQDGGRPPLSNVSGLV  
TVQVLDINDNAPIFVSTPFQATVLESVPLGYLVLVHVQAIDADAGDNARLEYRLAG  
VGHDFPFTINNGTGWISVAAELDREEVDFYSFGVEARDHGTPALTASASVSVTVL  
DVNDNNTFTTQPEYTVRLNEDAAVGTSVVTVSAVDRDAH SVITYQITSGNTRNR  
FSITSQSGGGLVSLALPLDYKLERQYVLAVTASDGTRQDTAQIVNVNTDANTHRP  
VFQSSHYTVNVNEDRPAGTTVVLISATDEDTGENARITYFMEDSIPQFRIDADTG  
AVTTQAELDYEDQVSYTLAITARDNGIPQKSDTTYLEILVNDVNDNAPQFLRDSY  
QGSVYEDVPPFTSVLQISATDRDSGLNGRVFYTFQGGDDGDGDFIVESTSGIVRT  
LRLRDRENV AQYVLRAYAVDKGMPPARTPMEVTVTVLVDVNDNPPVFEQDEFDV  
FVEENSPIGLAVARVTATDPDEGTNAQIMYQIVEGNIPEVFQLDIFSGELTALVDL  
DYEDRPEYVLVIQATSAPLVSRATVHVRLDRNDNPPVLGNFEILFN NYVTNRSS  
SFPGGAIGRVPAHDPDISDSLTYSFERNELSLVLLNASTGELKLSRALDNNRPLE  
AIMSVLVS DGVHSVTAQCALRVITIITDEMLTHSITLRL EDMSPERFLSPLLGLFIQA  
VAATLATPPDHVVVFVNVQRD TDAPGGHILNVSLSVGQPPGPGGGPPFLPSEDLQE  
RLYLNRSLT AISAQRVLPFDDNICLREPCENYMRCVSVLRFDSSAPFIASSSVLFR  
PIHPVGGLRCRCPPGFTGDYCETEVDLCYSRPCGPHGRCRSREGGYTCLCRDGYT  
GEHCEVSARSGRCTPGVCKNGGTCVNLLVGGFKCDCPSGDFEKP YCQVTTTRSFP  
AHSFITFRGLRQRFHFTLALS FATKERDGLLLYNGRFNEKHDFVALEVIQE QVQL  
TFSAGESTTTVSPFVPGGVSDGQWHTVQLKYYNKPLL GQTGLPQGPSEQKVAVV  
TVDGC DTGVALRFGSVLGNYSCAAQGTQGGSKKSLDLTG PLLLGVPDLPESFP  
VRMRQFVGC MRNLQVDSRHIDMADFIANNGTVP GCPAKKNVCD SNTCHNGGT  
CVNQWDAFSCECPLGFGGKSCAQEMANPQHFLGSSLVAWHGLSLPISQPWYLSL  
MFRTRQADGVLLQAITRGRSTITLQLREGHVMLSVEGTGLQASSLRLEPGRAND  
GDWHHAQLALGASGGPGHAILSFDY GQQRAEGNLGPRLHGLHLSNITVGGIPGP  
AGGVARGFRGCLQGVRVSDTPEGVNSLDPSHGESINVEQGCSLPDPCDSNPCPA  
NSYCSNDWDSYSCSDPGYYGDNCTNVCDLNPCEHQSVCTRKPSAPHGYTCEC  
PPNYLG PYCETRIDQPCPRGWWGHPTCGPCNCDVSKGFDPCNKTSGECHCKEN  
HYRPPGSPTCLLCDCYPTGSLSRVCDPEDGQCPCPKPGVIGRQC DRCDNPFAEVT  
NGCEVNYDSCPRAIEAGIWWPRTRFGLPAAAPCPKGSFGTAVRH CDEHRGWLP  
NLFNCT SITFSELKGFAERLQRNESGLDSGRSQQ LALLRNATQHTAGYFGSDVK  
VAYQLATRLLAHESTQRGFGLSATQDVHFTENLLRVGSALLDTANKRHWELIQQ

1992.07.19.07.59.00

TEGGTAWLLQHYEAYASALAQNMRHTYLSPTIVTPNIVISVVRLDKGNFAGAK  
LPRYEALRGEQPPDLETTVILPESVFRETTPVVRPAGPGEAQEPEELARRQRRHPE  
LSQGEAVASVIIYRTL AGLLP HNYDPDKRSLRVPKRPIINTPVVSISVHDDEELLPR  
ALDKPVTVQFRLL ETEERTK PICVFWNHSILVSGTGGWSARGCEVVFRNESHVSC  
QCNHMTSF AVLMDVSRREN GEILPLKTLTYVALGVTLAALLLTFFFLTLLRILRS  
NQHGIRRNLTAA LGLAQLVFL LGINQADLPFACTVIAILLHFLYLCTFSWALLEAL  
HLYRALTEVRDVNTGPMRFYYMLGWGVPAFITGLAVGLDPEGYGNPDFCWLSI  
YDTLIWSFAGPVAF AVSMSVFLYILAARASCAAQRQGFEEKKGPVSGLQPSFAVLL  
LLSATWLLALLSVNSDTLLFH YLFATCNCIQGPFIFLSYVVLSKEVRKALKLACSR  
KPSDPALTTKSTLTSSYNCPSPYADGRLYQPYGDSAGSLHSTSRSGKSQPSYIPF  
LLREESALNPGQGPPGLGDPGSLFLEGQDQQHDPD TDSDSDLSLEDDQSGSYAST  
HSSDSEEEEEEEEEAAFPGEQGWDSLLGPGAERLPLHSTPKDGGPGPGKAPWPG  
DFGTTAKESSNGAPEERLRENGDAL SREGSLGPLPGSSAQPHKGILKKKCLPTIS  
EKSSLLRLPLEQCTGSSRGSSASEGSRGGPPPRPPPRQSLQEQLNGVMPIAMSIKA  
GTVDEDSSGSEFLFFNFLH

109220.649660

## Figure 1D

Peptides for antibodies that bind to cadherin3 (GenBank accession number NP\_001784):

RAVFREA EVTLEAGGAEQE (SEQ ID NO:4)

QEPALFSTDNDDFTVRN (SEQ ID NO:5)

QKYEAHVPENAVGHE (SEQ ID NO:6)

Peptides for antibodies that bind to matrix metalloproteinase 14 (GenBank accession number NP\_004986):

AYIREGHEKQADIMIFFAE (SEQ ID NO:7)

DEASLEPGYPKHIKELGR (SEQ ID NO:8)

RGSFMGSDEVFTYFYK (SEQ ID NO:9)

Peptides for antibodies that bind to anti-cadherin EGF LAG seven-pass G-type receptor 2 (GenBank accession number NP\_001399):

QASSLRLEPGRANDGDWH (SEQ ID NO:10)

ELKGFAERLQRNESGLDSGR (SEQ ID NO:11)

RSGKSQPSYIPFLLREE (SEQ ID NO:12)

Peptides for antibodies that bind to anti-cytokeratin17:

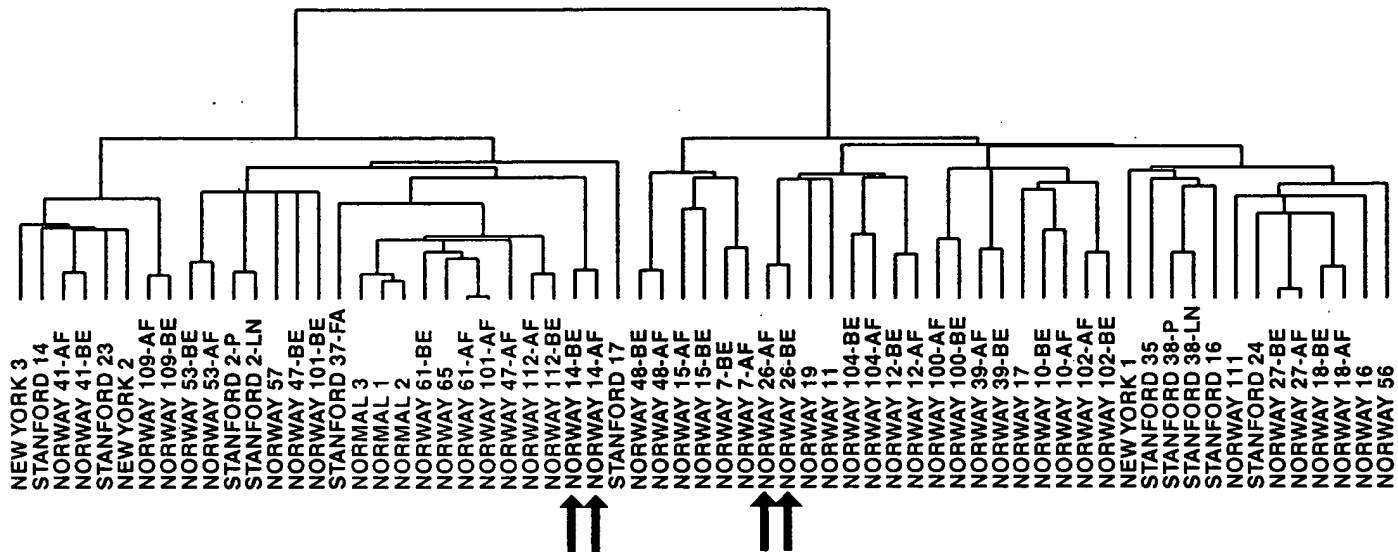
KKEPVTTRQVRTIVEE (SEQ ID NO:13)

QDGKVISSREQVHQTTR (SEQ ID NO:14)

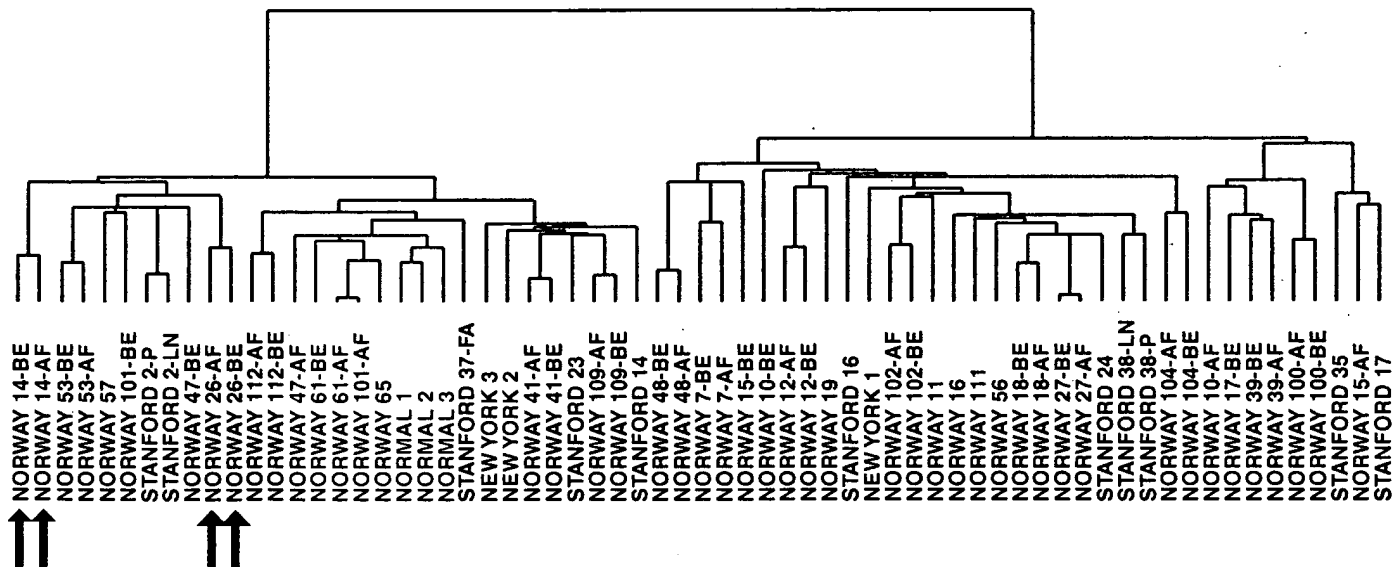
SSSIKGSSGLGGGSS (SEQ ID NO:15)

FIGURE 2

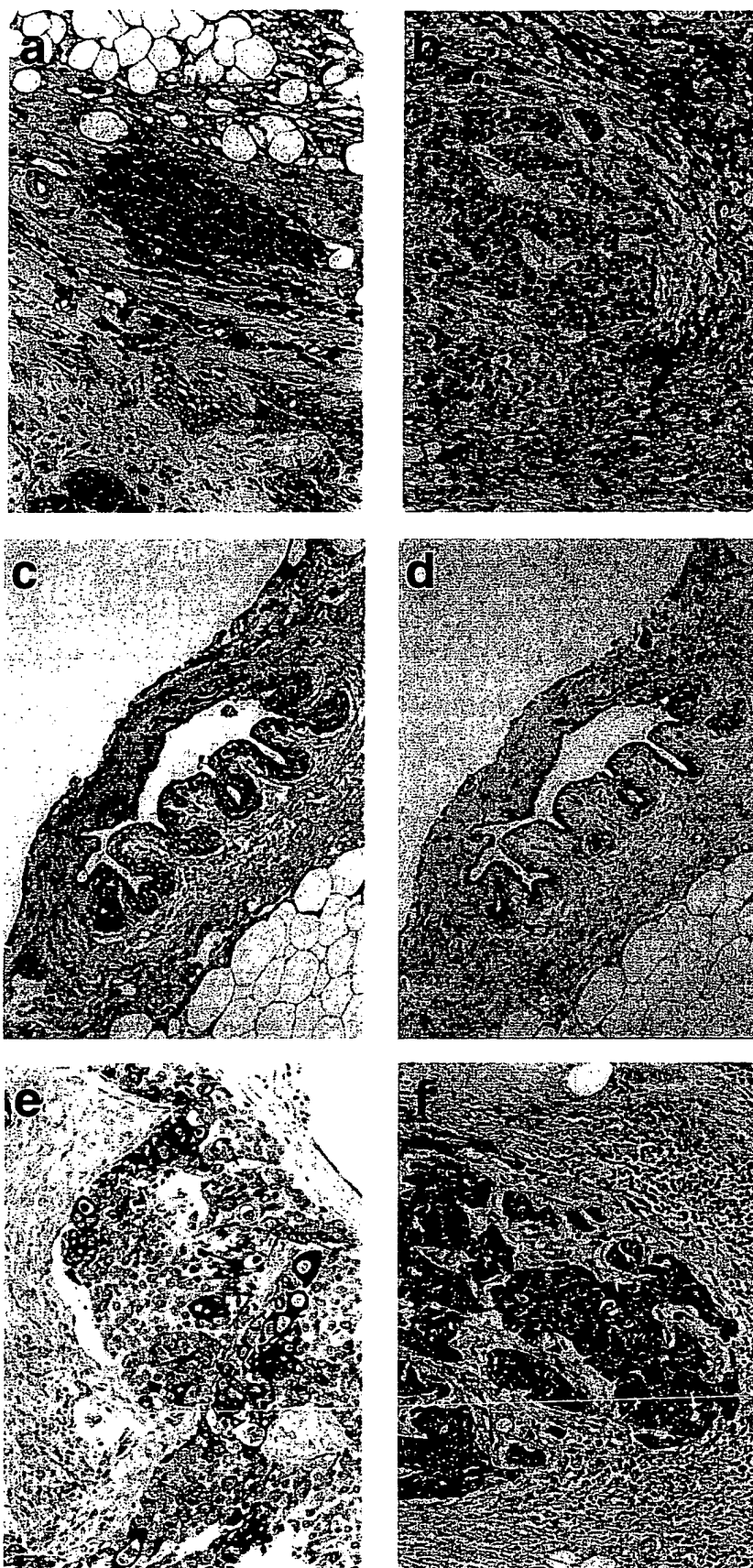
## Intrinsic Gene Subset



## Epithelial-Enriched Gene Subset



**Figure 3**



09936849.072601

FD-302 (Rev. 4-15-64)

80-100

181

62

49

38

28

18

1

100

FIGURE 4A

S0144

1:200

1:500

1:1000

109210 64891660

FIGURE 4B



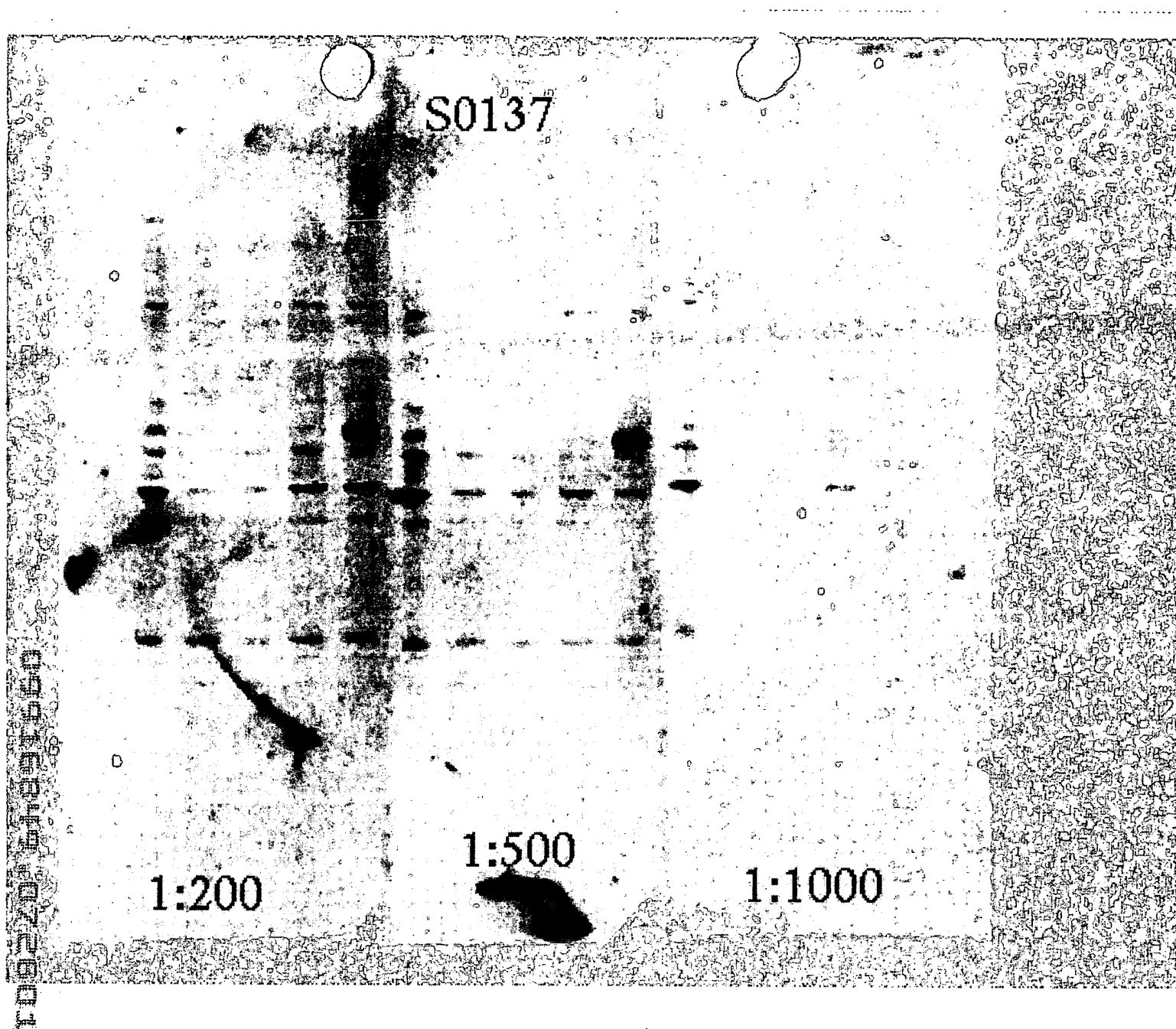


FIGURE 4C

Figure 5A

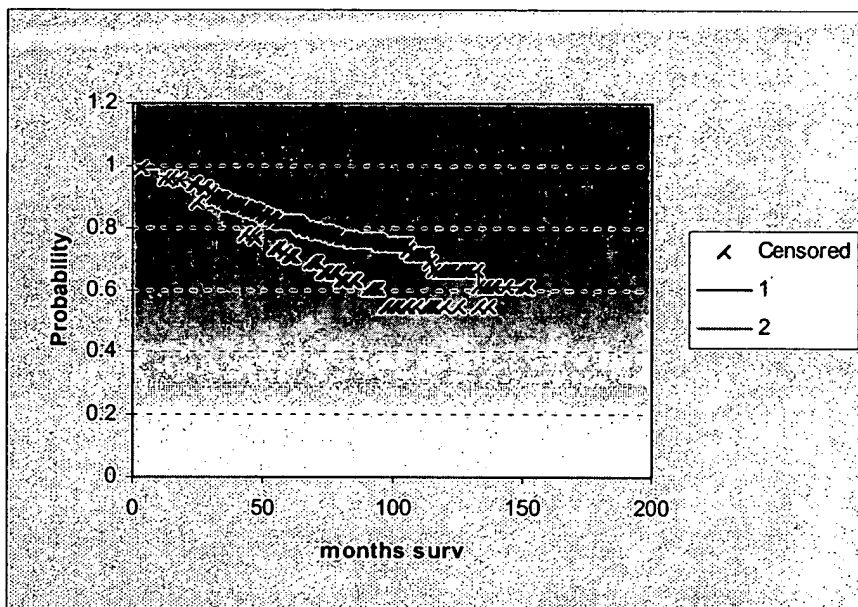
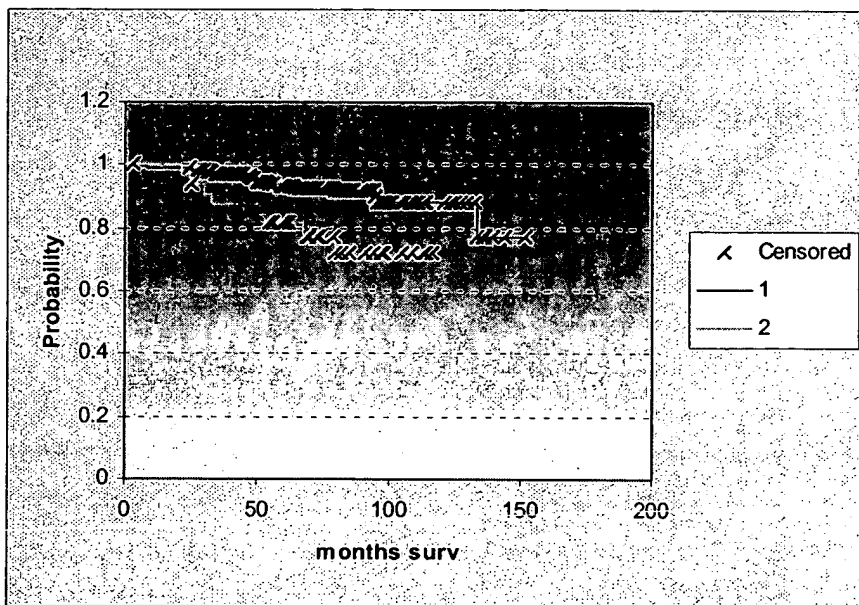
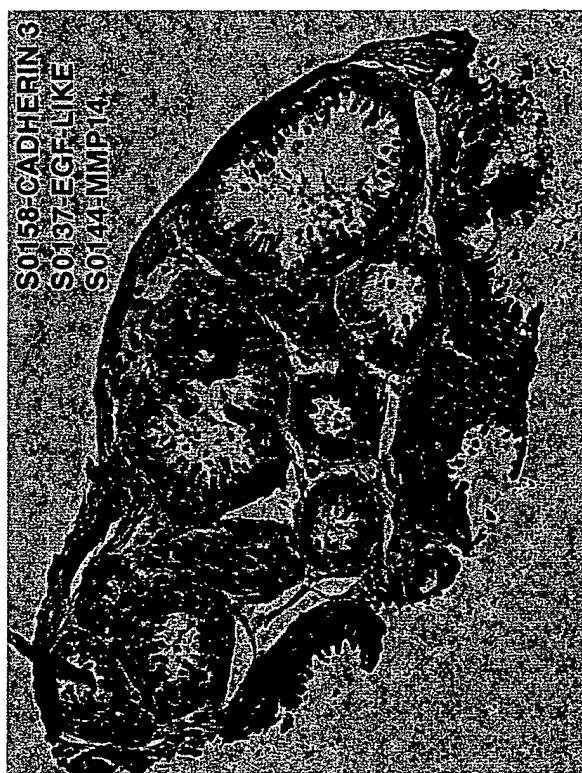


Figure 5B

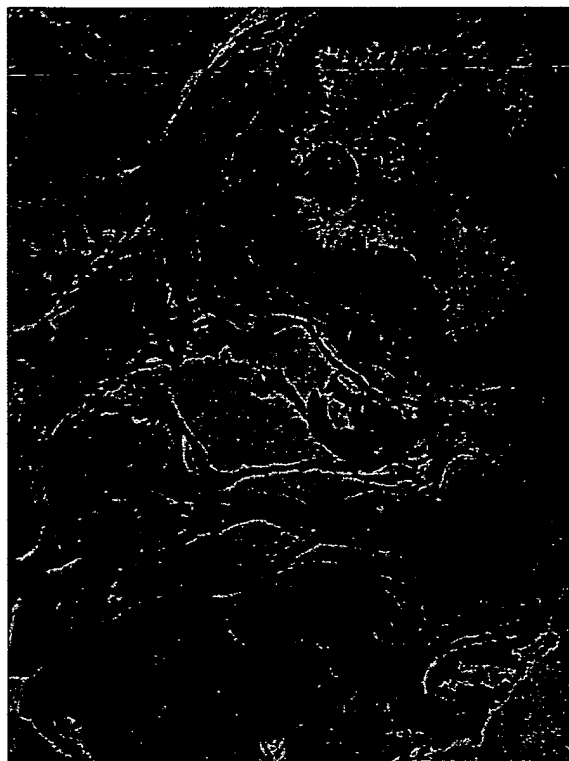


TD9220 6489T660

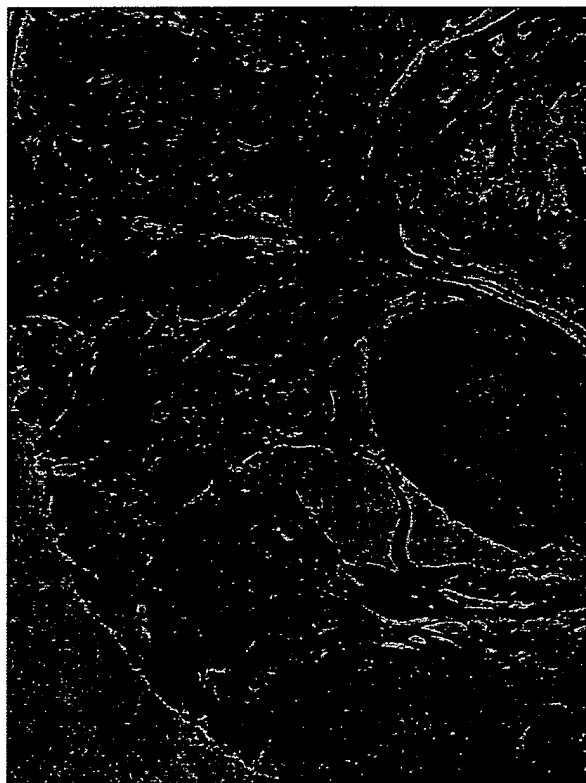
A. ck5/6



B. s0158



C. s0137



D. S0144

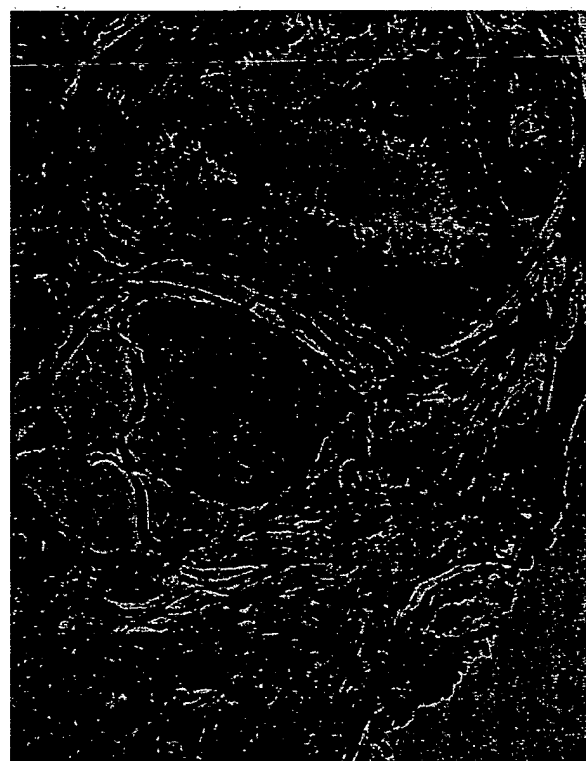


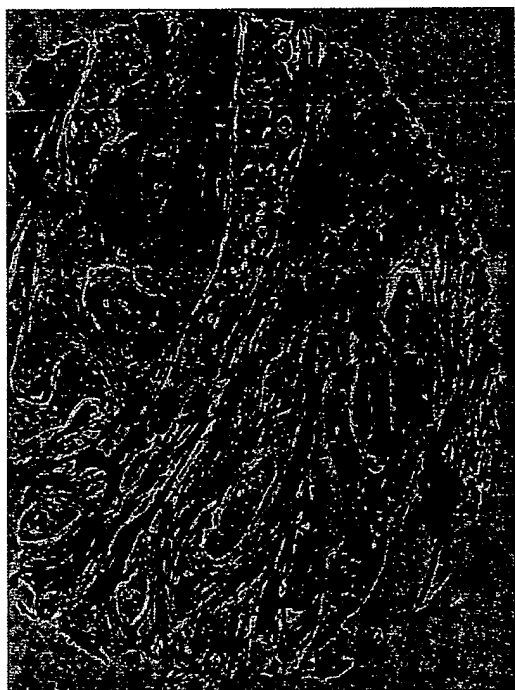
FIGURE 6

TD9220 6439T660

A. CK5/6



B. S0137



C. S0158

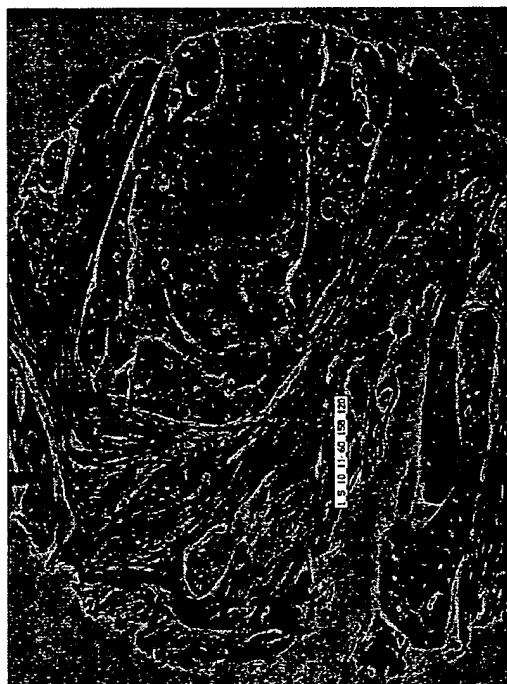


FIGURE 7